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**Alaska Department of Fish and Game Sportfishing  
Guide and Business Registration and Saltwater  
Sportfishing Charter Vessel Logbook Program, 1998**

**by**

**Michael R. Dean**

**and**

**Allen L. Howe**

**July 1999**

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**Alaska Department of Fish and Game**

**Division of Sport Fish**



## Symbols and Abbreviations

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Weights and measures (metric)		General		Mathematics, statistics, fisheries	
centimeter	cm	All commonly accepted abbreviations.	e.g., Mr., Mrs., a.m., p.m., etc.	alternate hypothesis	H <sub>A</sub>
deciliter	dL	All commonly accepted professional titles.	e.g., Dr., Ph.D., R.N., etc.	base of natural logarithm	e
gram	g	and	&	catch per unit effort	CPUE
hectare	ha	at	@	coefficient of variation	CV
kilogram	kg	Compass directions:		common test statistics	F, t, $\chi^2$ , etc.
kilometer	km	east	E	confidence interval	C.I.
liter	L	north	N	correlation coefficient	R (multiple)
meter	m	south	S	correlation coefficient	r (simple)
metric ton	mt	west	W	covariance	cov
milliliter	ml	Copyright	©	degree (angular or temperature)	°
millimeter	mm	Corporate suffixes:		degrees of freedom	df
<b>Weights and measures (English)</b>		Company	Co.	divided by	÷ or / (in equations)
cubic feet per second	ft <sup>3</sup> /s	Corporation	Corp.	equals	=
foot	ft	Incorporated	Inc.	expected value	E
gallon	gal	Limited	Ltd.	fork length	FL
inch	in	et alii (and other people)	et al.	greater than	>
mile	mi	et cetera (and so forth)	etc.	greater than or equal to	≥
ounce	oz	exempli gratia (for example)	e.g.,	harvest per unit effort	HPUE
pound	lb	id est (that is)	i.e.,	less than	<
quart	qt	latitude or longitude	lat. or long.	less than or equal to	≤
yard	yd	monetary symbols (U.S.)	\$, ¢	logarithm (natural)	ln
Spell out acre and ton.		months (tables and figures): first three letters	Jan,...,Dec	logarithm (base 10)	log
<b>Time and temperature</b>		number (before a number)	# (e.g., #10)	logarithm (specify base)	log <sub>2</sub> , etc.
day	d	pounds (after a number)	# (e.g., 10#)	mideye-to-fork	MEF
degrees Celsius	°C	registered trademark	®	minute (angular)	'
degrees Fahrenheit	°F	trademark	™	multiplied by	x
hour (spell out for 24-hour clock)	h	United States (adjective)	U.S.	not significant	NS
minute	min	United States of America (noun)	USA	null hypothesis	H <sub>0</sub>
second	s	U.S. state and District of Columbia abbreviations	use two-letter abbreviations (e.g., AK, DC)	percent	%
Spell out year, month, and week.				probability	P
<b>Physics and chemistry</b>				probability of a type I error (rejection of the null hypothesis when true)	α
all atomic symbols				probability of a type II error (acceptance of the null hypothesis when false)	β
alternating current	AC			second (angular)	"
ampere	A			standard deviation	SD
calorie	cal			standard error	SE
direct current	DC			standard length	SL
hertz	Hz			total length	TL
horsepower	hp			variance	Var
hydrogen ion activity	pH				
parts per million	ppm				
parts per thousand	ppt, ‰				
volts	V				
watts	W				

***SPECIAL PUBLICATION NO. 99-1***

**ALASKA DEPARTMENT OF FISH AND GAME SPORTFISHING GUIDE  
AND BUSINESS REGISTRATION AND SALTWATER SPORTFISHING  
CHARTER VESSEL LOGBOOK PROGRAM, 1998**

By  
Michael R. Dean  
and  
Allen L. Howe  
*Division of Sport Fish, Anchorage*

Alaska Department of Fish and Game  
Division of Sport Fish, Research and Technical Services  
333 Raspberry Road, Anchorage, Alaska 99518-1599

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## ABSTRACT

In 1998 3,823 sportfishing guides and 2,065 sportfishing services businesses registered with the Alaska Department of Fish and Game to provide sportfishing services in Alaska. Of the registered businesses, about 67% indicated the intent to provide saltwater sportfishing services. The division issued 910 saltwater sportfishing charter vessel logbooks to vessels homeported in Southeast Alaska and 655 logbooks to vessels homeported in Southcentral Alaska. Logbook records showed 1,135 unique vessels (55% Southeast) and 845 unique businesses (50% Southeast) provided saltwater sportfishing charter services in 1998. Logbook records reported a statewide chinook salmon *Oncorhynchus tshawytscha* harvest of 41,145 with 85% taken in Southeast. Total Pacific halibut *Hippoglossus stenolepis* harvest of 225,071 was split 30% Southeast and 70% Southcentral. Of the anglers who used saltwater sportfishing charter vessels, 78% of bottomfish and 89% of the salmon client-days were by nonresidents.

## INTRODUCTION

The Alaska Department of Fish and Game (ADF&G), Division of Sport Fish, presently operates a program to register both sportfishing guides and sportfishing services businesses and to collect information on sportfishing participation and harvest by saltwater charter vessel clients. The following briefly summarizes the history of this program, presents the approach and an overview of the results for the 1998 season, and contains a brief discussion of the forthcoming 1999 program.

### GUIDE AND BUSINESS REGISTRATION

The growth of the sportfishing industry in Alaska and its implication on fish allocations and management has dramatically increased in recent years. Resolution of many related issues has been hampered by the lack of information regarding the industry and its impact on fishery resources in many parts of Alaska. The sportfishing guide and business registration framework provides a comprehensive system to better define this diverse industry throughout Alaska. A brief recent history of the statewide registration process follows.

Beginning in May 1995 and continuing in 1996, the owner(s) of a business that engaged in guiding anglers anywhere in Alaska was required to register annually with ADF&G. Additionally, any employee acting as a sportfishing guide for a business was required to register before conducting guiding activities. In 1997 sportfishing guides were required to register and provide information about the employing business and to register their vessels. If a guide changed employers during the 1997 season, they were to update their registration information with ADF&G. In 1998 ADF&G registered guide businesses and guides and stopped registering charter vessels, because the Commercial Fisheries Entry Commission (CFEC) implemented a licensing program for all vessels to be used for sportfishing.

The Alaska Board of Fisheries (BOF) adopted new statewide sportfishing guide registration regulations and definitions during their February 1998 Statewide Finfish meeting in Girdwood, Alaska. The regulations and definitions are found in 5 AAC 75.075: *Fishing Services and Sportfishing guides; Registration Requirements; Regulations of Activities* (Appendix A1). The definition of fishing services and fishing guide services were narrowed to exclude activities of booking agents and other ancillary services provided by a tour broker or agent to a fishing services operator. The definitions also excluded services provided by deckhands, assistants, and

similar persons who work directly under the supervision of and on the same vessel as a fishing guide. It should be stressed that this is a registration process, not a licensing process. No fees are required and businesses and guides are presently free to provide services in any area of the state, assuming other regulatory requirements are met.

In 1998 ADF&G registered both sportfishing businesses and sportfishing guides. Neither the businesses nor guides were required to submit updated information in-season. This approach to registration is being used again in 1999 with minor changes to the forms. Copies of the 1998 and 1999 registration forms are included as Appendix B1 and B2, respectively.

## **LOGBOOKS**

In February 1998 the BOF adopted regulations requiring logbooks for saltwater charter vessels statewide. The BOF took this action to meet several information needs including: 1) inseason estimates of Southeast sport charter harvest of chinook salmon, 2) individual vessel-based sport charter information, 3) effort and harvest information beyond that obtained through the angler-based statewide sport fish survey and on-site creel surveys, 4) North Pacific Fishery Management Council (NPFMC) needs in relation to allocation of halibut, and 5) BOF needs in deliberation of regulatory and local management plan proposals.

The original regulation pertaining to logbook reporting under 5 AAC 75.076 was valid only for 1998. ADF&G requested through the Department of Law two regulation changes pertinent to logbooks. The requested effective date for the 1999 logbook regulations was May 15, 1999. The two changes are: (1) to adopt a regulation 5 AAC 75.076(a) so the logbook reporting program will be required for the 1999 season and (2) to adopt 5 AAC 76.076(a), which would repeal the section of the regulation that requires that the U.S. Coast Guard number of the skippers operating the charter vessel be included.

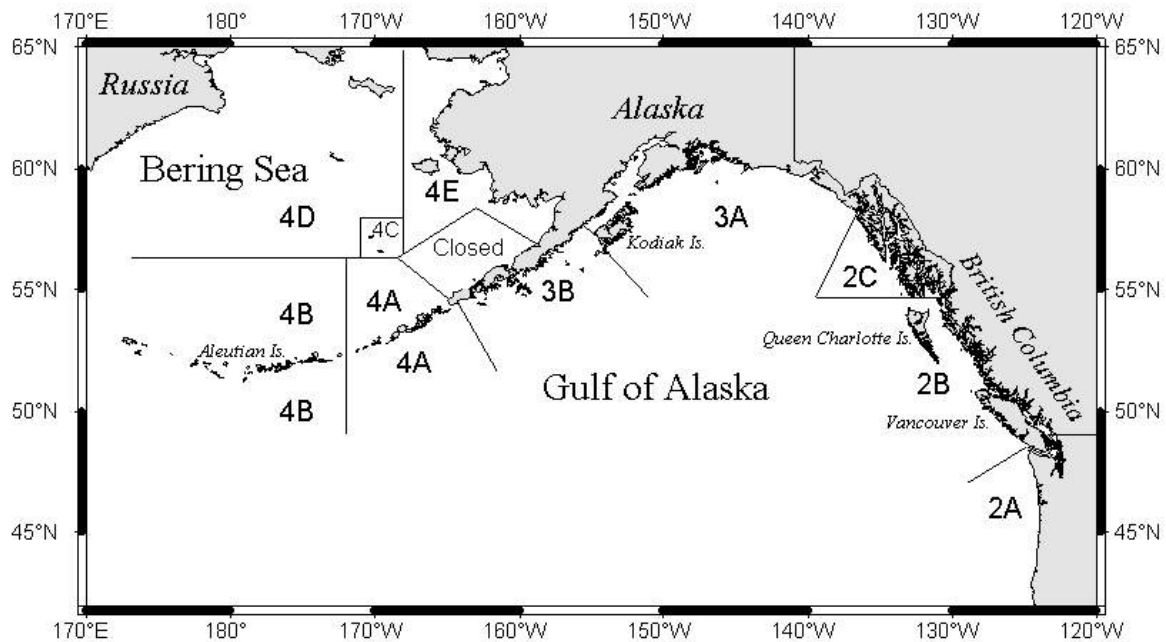
The NPFMC is addressing a proposal to limit the guided sport halibut harvest because growth in this fishery is reallocating resource away from the individual fishing quota (IFQ) longline fishery, and because of concerns in some areas about overcapitalization and localized depletion of the halibut resource. The NPFMC endorsed a two-prong approach to resolve the perceived impacts of increased guided charter halibut fishing. The first was establishment of guideline harvest limits (GHL) for IPHC Area 2C and 3A (Figure 1) halibut charter fisheries and the second was a process to establish local area management plans for coastal communities.

Due to the above information needs for chinook salmon and halibut, ADF&G implemented a saltwater sportfishing charter vessel logbook program in 1998 for Southeast Alaska - Region I and Southcentral Alaska - Region II (Figure 2, Table 1)<sup>1</sup>.

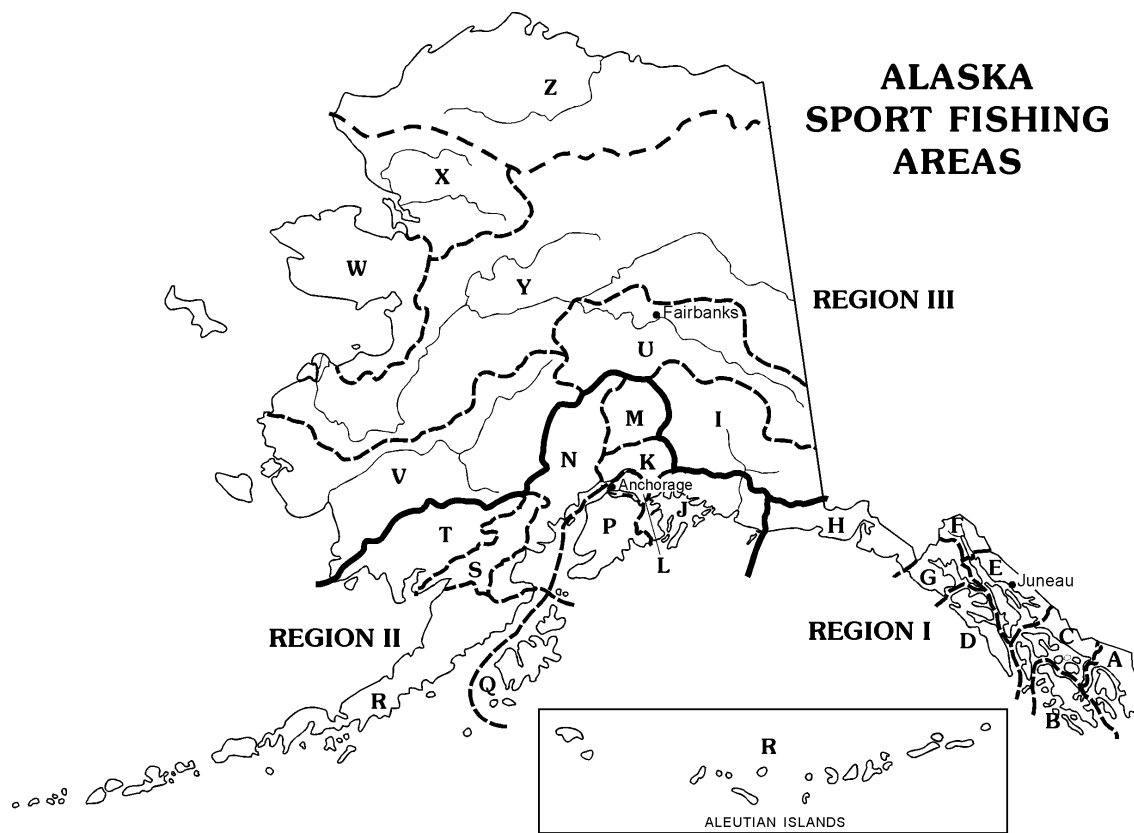
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<sup>1</sup> Saltwater charter boat fishing in other areas of the state is either nonexistent or so minor that the 1997 statewide sportfishing angler survey (SWHS) did not detect it (ADF&G unpublished data).





**Figure 1.-International Pacific Halibut Commission (IPHC) regulatory areas.**



**Figure 2.-Map of Alaska and Division of Sport Fish regions and sport harvest areas.**

**Table 1.-List of Alaska sportfishing regions and sport harvest areas.**

---

Regions	
I	Southeast Alaska
II	Southcentral Alaska
III	Arctic-Yukon-Kuskokwim
Areas	
Southeast Alaska	
A	Ketchikan
B	Prince of Wales Island
C	Kake, Petersburg, Wrangell, Stikine
D	Sitka
E	Juneau
F	Haines-Skagway
G	Glacier Bay
H	Yakutat
Southcentral Alaska	
J	Prince William Sound
K	Knik Arm Drainage
L	Anchorage
M	East Susitna River Drainage
N	West Cook Inlet-West Susitna River Drainages
P	Kenai Peninsula
Q	Kodiak
R	Naknek River Drainage-Alaska Peninsula
S	Kvichak River Drainage
T	Nushagak
Arctic-Yukon-Kuskokwim	
I	Glennallen
U	Tanana River Drainage
V	Kuskokwim River Drainage
W	Seward Peninsula-Norton Sound
X	Northwest Alaska
Y	Yukon River Drainage
Z	North Slope Brooks Range

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## **METHODS**

### **GUIDE AND BUSINESS REGISTRATION**

The division mailed 1998 registration forms to each guide registered in 1997 and used the business information from the guides' 1997 registrations to develop a mailing list for businesses, and mailed 1998 registration forms to those businesses. In addition, guides and businesses could register in person at local ADF&G offices.

The registration forms used in 1998 (Appendix B1) and with slight modification in 1999 (Appendix B2) provided space on a single form to register a business and a guide. The intent was that the forms could be used in any of three ways:

- To register a business only,
- To register a guide only,
- To register a business and an associated guide (a person could not provide guide services unless they worked for a registered guide business or were their own registered guide business).

The registration process collected permanent and inseason contact information, as well as information from the business on their intent to provide certain kinds of services.

Since some guides and businesses incorrectly used the forms in 1998 (e.g., a businesses used the forms to register each of their guides, or guides recorded their employer's business information), some computer processing was required to identify unique businesses and guides based on names, addresses, and other information recorded on the forms.

In 1998 and again in 1999 the division mailed a wallet-sized registration card to each registered guide or business. For those who used mail-back registration forms, this was their sole proof of registration; for those who used the walk-in registration process, this card could be used as proof of registration, although they should have had in their possession a copy of their paper registration form.

### **LOGBOOK DATA COLLECTION**

A single logbook form was used in 1998, although separate maps were issued specific to the areas of intended operation. For reference, sample logbook sheets for 1998 and 1999 are included in Appendix C1 and C2, respectively.

The 1998 logbooks consisted of 22 weekly data sheets, five supplemental data sheets, and three crew harvests forms. Each weekly data sheet consisted of two parts: the first part of the form was a white copy upon which the original data were written and the second part of the form was a non carbon copy that stayed in the logbook itself. The reverse side of the original or white part of the data-recording sheet was designed as a tri-fold mail back form. The department provided

return mailing labels with the address of a nearby ADF&G office<sup>2</sup>. These completed original or white data sheets were to be postmarked or mailed back to ADF&G no later than the return date printed on the sheet (Appendix C1).

Maps of with fishing areas delineated and numbered were provided with each logbook issued. The area maps issued depended upon where the business intended to conduct fishing and sometimes required two or three maps. The Southeast region used eight different maps to record to depict salmon and bottomfish areas. Kodiak used two sets of maps reporting logbook information with one map for salmon and another map for bottomfish. Other Southcentral areas used the commercial bottomfish statistical maps for data reporting of both salmon and bottomfish. Each map was rather large and had to be folded to fit in the logbook itself. Logbooks were themselves approximately 14.5" x 8.5" in size.

A variety of opportunities to obtain a logbook and to return completed logbook sheets were available. Approximately 3,000 logbooks were printed in Anchorage for the 1998 season. Half of these logbooks were shipped to the Division of Sport Fish Southeast regional office and then redistributed to each Southeast ADF&G area office. The remaining logbooks were distributed to ADF&G offices in Anchorage, Homer, Soldotna, Fairbanks, Glennallen, Delta, and Cordova; the Kenai River Center in Soldotna; and the Division of Fish and Wildlife and Protection offices in Valdez and Seward. At the above locations staff issued logbooks to representatives or owners of sport fishing businesses that intended to provide saltwater sportfishing charter vessel services. Most logbooks were issued over the counter at the area offices along with mail back labels, maps, and a list of frequently asked questions that related to the logbook program. Logbooks were also mailed to remote guide business locations upon request. Completed logbooks sheets were turned in at the local area ADF&G offices, put in drop boxes located around certain harbors in Southeast Alaska, mailed back using address labels provided, or given directly to creel technicians who were working on the docks

## **LOGBOOK DATA REDUCTION**

As logbook pages were received in RTS they were stored in banker-boxes (approximately 1,000 forms to a box). Administrative Clerks would enter forms out of the box and use post-it notes to mark their progress through the box on a daily basis. Each day's work was usually sorted and stored by CFEC number. To find an original form, one needed to know who entered the page, what day it was entered, and the CFEC number.

About eight months of Administrative Clerk time was required to complete data capture for the logbook information. RTS Administrative Clerks attempted to edit ports and statistical areas to allowable values (e.g., change a named fishing area to the corresponding statistical area number). Occasionally, they would adjust the rods/clients from total to resident and nonresident values if it was "obvious". For instance, if there were 2 resident clients and 3 nonresident clients and 5 rods for bottomfish and 5 rods for salmon, an Administrative Clerks may have split the rods to match the client breakdowns. Administrative Clerks also attempted to correct the CFEC and vessel name at the entry point.

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<sup>2</sup> Southcentral logbooks contained return labels to Research and Technical Services (RTS). Southeast logbooks contained returned labels to Ketchikan or Douglas ADF&G offices so staff could extract chinook salmon information in-season. Southeast ADF&G staff forwarded completed logbook forms to RTS after review of the chinook salmon data.

Data entry was done using an Internet based format. The entry and editing screens were hosted on an internal web server and the work done using either Netscape or MS Internet Explorer web browsers.

During entry, the Administrative Clerks would note the following problems using codes in a "comments" entry field<sup>3</sup>:

- A1=** Area fished left blank
- A2=** Primary area fished listed as bottomfish (primary salmon not identified), rods/catch listed as salmon
- A3=** Primary area fished listed as salmon (primary bottomfish area not identified), rods/catch listed as bottomfish
- A4=** Multiple areas fished (primary not identified)
- A5=** Area fished not a viable number
- B1=** Boat hours fishing left blank
- C1=** Number of clients not filled in
- C2=** Clients not broken down by resident/nonresident
- E1=** Rods fished not identified
- E2=** Rods fished not broken down by resident/nonresident
- H1=** Harvest KEPT not broken down by resident/nonresident
- H2=** Harvest released not broken down by resident/nonresident
- L1=** No USCG number
- P1=** No Port or site of landing identified
- R1=** No resident clients identified, but resident poles
- R2=** No nonresident clients identified, but nonresident poles
- R3=** Resident clients, but harvest listed under nonresident
- R4=** Nonresident clients, but harvest listed under resident
- R5=** No resident clients, but harvest listed
- R6=** No nonresident clients, but harvest listed
- S1=** No skipper initials

Also noted in the database were the "inactive" and "no report" days on each form received.

Data from logbook forms were entered verbatim into an initial database representing the raw data. Each record was edited programmatically and copied to a second database. The edits applied to each record were to examine the comment codes above and reformat the data to reflect the codes. In cases where information was an aggregate of resident and nonresident numbers, the sums were placed in an "unknown" category present in the "cleaned" database. "Null" values replaced "zeros" in cases where information could not be recorded (such as resident clients when an aggregate number was recorded). Total fields were also created to quickly get total harvest, client and effort information for the entire boat.

The data were also checked but not edited for the allowable harvest for a given area. A table was created for each SWHS area and the maximum bag limits for each species from the harvest regulations.

Other programs that checked the data were to identify potential problems in the recorded data. The checks were performed on a vessel-by-vessel basis. Duplicate entries for a vessel, date and

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<sup>3</sup> Note: Appendix E2 and E3 contain a summary of problems that could not be resolved.

trip of day were identified and verified as were missing dates from a log-page-week. Further checks on ports and fishing areas were examined at this point. The number of apparent missing pages based on the first and last forms of season for a vessel, and for those pre-printed pages between April 27, 1998 (page 1) and September 27, 1998 (page 22) were noted. Also, several vessels not reporting their CFEC numbers correctly were fixed. The typical problem was the wrong CFEC number or the wrong vessel name. In some cases, what appeared as two separate vessels (by CFEC number) in the database were combined into one single vessel with the correct CFEC number.

The data were summarized into Excel pivot tables and distributed for staff review. Through several iterations, some errors were located in the logbook data and fixed. A few more vessels were found to have two CFEC numbers across all their log pages and these were fixed. Data for several military vessels were removed, because they were not truly sportfishing charter vessels (i.e., no fee for service).

## **RESULTS**

### **GUIDE AND BUSINESS REGISTRATION**

In 1998 ADF&G registered 3,823 sportfishing guides and 2,065 sportfishing guide businesses. Sportfishing guides were not required to identify locations where they would provide services, because a guide could not provide guiding services unless he/she were also a sportfishing guide business or worked for a business. Thus information on expected general types and locations of services was provided via the business registration.

Of the 2,065 registered businesses, 712 indicated they would provide guide services in saltwater only; 638 in freshwater only; 685 in both saltwater and freshwater; and 30 did not respond to this question. Additionally in 1998, businesses were asked to indicate in which region (Southeast, Southcentral, or both) they intended to operate in saltwater and with how many vessels. Of the 2,065 registered businesses 67% provided a regional breakdown of where they would provide services: 589 in Southeast, 697 in Southcentral, and 92 in both Southeast and Southcentral. These businesses stated an intent to operate 662 vessels in Southeast and 596 vessels in Southcentral.

Table 2 tallies the number of registered businesses and guides by the city recorded under the permanent and inseason address information on the registration forms. Of the 2,065 registered guides, over 91% had in-state permanent mailing addresses; whereas about 76% of the 3,823 registered guides recorded permanent addresses in Alaska. The communities of Sitka, Ketchikan, and Juneau predominated as permanent and inseason addresses in Southeast, while Anchorage, Soldotna, Homer, and Kodiak predominated in Southcentral (Table 2).

### **LOGBOOKS**

The Division of Sport Fish initiated a statewide saltwater sportfishing charter vessel logbook program in May 1998. Over 100,000 daily records were received from businesses that operated charter vessels during the 1998 fishing season, about half these record were for inactive days.

The division intends to complete at least three years of comparisons between logbook data and independent estimates provided by the division's creel surveys and SWHS<sup>4</sup> project before

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<sup>4</sup> The SWHS project is based on an end-of-season mail survey of angler households to obtain information on sport fishing participation, catch, and harvest.

reaching any conclusion about the accuracy of logbook reports. The first step in this process of validation of participation and harvest values will not be completed until fall 1999 when the estimates from the SWHS project for the 1998 fishing season will be completed. Until the division has completed at least three years of comparisons, information from the logbooks should be used with some caution.

### **Division of Sport Fish Regions**

Statewide sport charter vessels provided anglers with 125,041 salmon clients-days and 162,188 bottomfish client-days of fishing (Some clients fished for both salmon and bottomfish on the same day). Thus client-days for the two fish groups should not be added, as it would overestimate the actual total client-days<sup>5</sup>. The majority of salmon client-days (89%) and bottomfish client-days (78%) statewide were by nonresidents. Statewide charter vessel clients harvested 41,145 chinook salmon, 152,544 coho salmon, 56,601 pink salmon, 225,071 halibut, 26,980 pelagic rockfish, 20,141 non-pelagic rockfish, and 14,737 lingcod (Table 3, Table 4).

### **Southeast Alaska - Region I**

Approximately 1,250 vessels were licensed in 1998 with the CFEC as sportfishing charter vessels intending to operate in Southeast Alaska. ADF&G staff issued about 910 logbooks to fishing businesses with vessels homeported in the Southeast Alaska area. Of the logbooks issued for these vessels about 290 were in the Southern Southeast area (Ketchikan and Prince of Wales Island), 80 to vessels from Petersburg/Wrangell, 205 to vessels from Sitka, 300 to vessels from Northern Southeast (Juneau, Gustavus, Elfin Cove, Angoon, Hoonah) and about 20 each to vessels from both the Yakutat and Haines/Skagway areas.

Southeast charter vessel operators provided 90,241 guided client-days for salmon and 65,390 guided client-days for bottomfish or 72% and 40% of statewide client-days, respectively<sup>5</sup>. Southeast charter vessel harvest of chinook salmon represented 85% of the statewide total; coho salmon harvest was 72% of the statewide total (Table 3, Table 4). Additional breakdown of Southeast sport charter for salmon and bottomfish by sport fish harvest areas are provided in Table 5 and Table 6.

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<sup>5</sup> Salmon and bottomfish client-days should not be summed because we expect many anglers fish for both types of fish. In this report we did sum salmon or bottomfish client-days across areas and regions, which could produce an overestimate of actual client-days because some anglers may have fished multiple areas or regions.

**Table 2.-Breakdown of permanent and inseason locations for registered sportfishing businesses and guides, 1998.**

Region	City	Businesses (permanent)	Businesses (inseason)	Guides (permanent)	Guides (inseason)
<b>Southeast</b>	Sitka	123	134	149	167
	Ketchikan	93	95	131	163
	Juneau	88	80	116	111
	Petersburg	40	38	46	40
	Craig	33	32	41	52
	Yakutat	24	21	34	47
	Auke Bay	23	26	31	31
	Haines	22	19	32	24
	Gustavus	20	19	29	27
	Wrangell	20	20	25	21
	Ward Cove	13	10	28	16
	Hoonah	12	11	16	14
	Other Southeast	61	71	88	105
	<b>Total Southeast</b>	572	576	766	818
<b>Southcentral</b>	Anchorage	270	180	465	357
	Soldotna	168	182	198	201
	Homer	90	96	133	124
	Kodiak	75	74	114	94
	Wasilla	50	39	86	58
	Kenai	38	45	55	60
	Seward	35	37	63	62
	Sterling	35	36	43	39
	Anchor Point	32	29	53	51
	Ninilchik	31	47	34	58
	Kasilof	26	23	30	28
	Valdez	26	36	34	54
	Cordova	22	26	34	36
	Eagle River	22	16	40	30
	Palmer	22	16	51	21
	Dillingham	16	28	29	122
	Talkeetna	12	13	28	24
	Willow	12	11	18	18
	Chugiak	11	6	26	24
	Other Southcentral	98	107	199	228
	<b>Total Southcentral</b>	1091	1047	1733	1689
<b>Other Alaska</b>		218	319	388	843
<b>Total Resident</b>		1881	1942	2887	3350
Other U.S.		182	32	927	85
Foreign		2	0	9	0
<b>Nonresident Total</b>		184	32	936	85
<b>Unknown</b>		0	91	0	388
<b>Total</b>		2065	2065	3823	3823



**Table 3.-Saltwater charter vessel salmon participation and harvest by region, 1998<sup>a</sup>.**

<b>Region</b>	<b>Client Residency</b>	<b>Number of Client-Days</b>	<b>Number of Rods</b>	<b>Chinook Salmon Kept</b>	<b>Chinook Salmon Released (28" or larger)</b>	<b>Chinook Salmon Released (smaller than 28")</b>	<b>Coho Salmon Kept</b>	<b>Sockeye Salmon Kept</b>	<b>Pink Salmon Kept</b>	<b>Chum Salmon Kept</b>
Southcentral	Resident	9,572	7,709	1,470	88	101	12,438	336	706	183
	Nonresident	24,189	20,567	4,420	304	264	28,565	920	3,692	206
	Total	34,319	29,350	6,045	397	379	42,266	1,350	4,552	396
Southeast	Resident	2,809	2,534	1,352	204	566	1,723	45	801	240
	Nonresident	86,407	80,008	33,205	6,184	14,512	106,681	993	50,809	9,388
	Total	90,241	83,465	34,989	6,452	15,226	109,872	1,045	51,982	9,749
Unknown	Resident	80	67	36	8	-	42	-	1	8
	Nonresident	397	297	74	10	26	339	-	58	15
	Total	481	376	111	18	26	406	5	67	25
Total	Resident	12,461	10,310	2,858	300	667	14,203	381	1,508	431
	Nonresident	110,993	100,872	37,699	6,498	14,802	135,585	1,913	54,559	9,609
	Total	125,041	113,191	41,145	6,867	15,631	152,544	2,400	56,601	10,170

<sup>a</sup>Totals may not equal the sum of client residency values due to missing residency information on some logbook records.

**Table 4.-Saltwater charter vessel bottomfish participation and harvest by region, 1998<sup>a</sup>.**

<b>Region</b>	<b>Client Residency</b>	<b>Number of Client-Days</b>	<b>Number of Rods</b>	<b>Halibut Kept</b>	<b>Halibut Released</b>	<b>Pelagic Rockfish Kept</b>	<b>Other Rockfish Kept</b>	<b>All Rockfish Released</b>	<b>Lingcod Kept</b>
Southcentral	Resident	31,167	28,794	48,331	45,590	5,476	2,349	2,677	1,097
	Nonresident	63,439	57,688	101,293	94,122	7,143	3,266	5,575	1,240
	Total	96,158	89,090	156,516	146,805	14,082	5,899	8,761	2,437
Southeast	Resident	2,062	1,725	2,131	1,207	423	462	1,239	364
	Nonresident	62,416	53,646	64,649	29,802	12,058	13,526	26,137	11,586
	Total	65,390	56,197	68,004	31,750	12,715	14,188	28,125	12,242
Unknown	Resident	72	49	81	85	11	17	70	10
	Nonresident	568	280	444	270	163	31	228	39
	Total	640	333	551	364	183	54	298	58
Total	Resident	33,301	30,568	50,543	46,882	5,910	2,828	3,986	1,471
	Nonresident	126,423	111,614	166,386	124,194	19,364	16,823	31,940	12,865
	Total	162,188	145,620	225,071	178,919	26,980	20,141	37,184	14,737

<sup>a</sup>Totals may not equal the sum of client residency values due to missing residency information on some logbook records.

**Table 5.-Southeast saltwater charter vessel salmon participation and harvest by sport harvest area, 1998<sup>a</sup>.**

Area	Client Residency	Number of Client-Days	Number of Rods	Chinook Salmon Kept	Chinook Salmon Released (28" or larger)	Chinook Salmon Released (smaller than 28")	Coho Salmon Kept	Sockeye Salmon Kept	Pink Salmon Kept	Chum Salmon Kept
Ketchikan	Resident	523	475	42	1	210	430	-	438	160
	Nonresident	19,493	18,681	1,078	135	5,369	16,546	212	27,392	6,721
	Total	20,234	19,305	1,144	144	5,612	17,012	213	27,988	6,979
Prince of Wales Island	Resident	480	448	387	21	31	485	21	65	19
	Nonresident	17,412	16,933	10,447	747	642	32,797	150	10,105	722
	Total	18,041	17,502	10,895	772	678	33,370	171	10,200	742
Kake, Petersburg, Wrangell, Stikine	Resident	171	167	81	5	14	25	-	27	19
	Nonresident	3,016	2,741	932	192	563	2,625	35	1,951	119
	Total	3,214	2,929	1,024	198	608	2,651	35	1,978	138
Sitka	Resident	772	666	636	146	79	449	17	77	23
	Nonresident	29,138	25,816	17,144	4,683	1,964	42,710	537	5,805	1,249
	Total	30,376	26,945	18,072	4,869	2,063	44,239	557	5,986	1,285
Juneau	Resident	647	584	114	14	171	234	6	177	18
	Nonresident	11,057	10,266	1,926	192	4,080	7,199	52	5,107	468
	Total	11,774	10,938	2,060	215	4,293	7,567	58	5,348	494
Haines-Skagway	Resident	52	49	35	10	39	2	-	1	-
	Nonresident	2,980	2,752	1,014	150	1,641	11	-	15	2
	Total	3,034	2,803	1,050	160	1,680	13	-	16	2
Glacier Bay	Resident	123	118	54	7	21	43	1	13	1
	Nonresident	1,808	1,537	450	66	194	1,287	6	370	81
	Total	1,998	1,705	525	75	231	1,390	10	397	83
Yakutat	Resident	41	27	3	-	1	55	-	3	-
	Nonresident	1,503	1,282	214	19	59	3,506	1	64	26
	Total	1,570	1,338	219	19	61	3,630	1	69	26
<b>Southeast</b>	Resident	2,809	2,534	1,352	204	566	1,723	45	801	240
	Nonresident	86,407	80,008	33,205	6,184	14,512	106,681	993	50,809	9,388
	Total	90,241	83,465	34,989	6,452	15,226	109,872	1,045	51,982	9,749

<sup>a</sup>Totals may not equal the sum of client residency values due to missing residency information on some logbook records.

**Table 6.-Southeast saltwater charter vessel bottomfish participation and harvest by sport harvest area, 1998<sup>a</sup>.**

SWHS Area	Client Residency	Number of Client-Days	Number of Rods	Halibut Kept	Halibut Released	Pelagic Rockfish Kept	Other Rockfish Kept	All Rockfish Released	Lingcod Kept
Ketchikan	Resident	258	230	219	87	43	24	24	9
	Nonresident	5,239	4,312	4,191	1,167	578	773	1,356	188
	Total	5,536	4,562	4,438	1,274	621	808	1,409	213
Prince of Wales	Resident	441	361	673	219	97	104	519	150
	Nonresident	17,430	15,308	21,315	4,386	3,222	3,772	7,568	5,071
	Total	18,031	15,774	22,130	4,637	3,330	3,911	8,195	5,258
Kake, Petersburg, Wrangell, Stikine	Resident	208	202	245	101	75	52	148	46
	Nonresident	4,638	4,449	4,990	2,737	503	1,007	1,460	209
	Total	4,905	4,700	5,302	2,878	590	1,059	1,629	257
Sitka	Resident	605	465	513	455	122	92	400	88
	Nonresident	24,924	20,442	23,717	14,580	5,834	6,275	14,113	4,896
	Total	25,993	21,328	24,864	15,368	6,113	6,498	15,083	5,132
Juneau	Resident	247	204	159	106	67	78	97	1
	Nonresident	4,923	4,419	4,620	2,341	1,185	1,085	743	55
	Total	5,226	4,692	4,888	2,514	1,301	1,180	846	56
Haines-Skagway	Resident	20	22	8	-	-	-	-	-
	Nonresident	311	313	85	67	1	2	21	-
	Total	331	339	93	67	1	2	21	-
Glacier Bay	Resident	111	91	92	80	-	1	4	5
	Nonresident	2,213	1,915	2,248	2,259	61	123	377	76
	Total	2,411	2,100	2,483	2,472	64	125	395	133
Yakutat	Resident	172	150	222	159	19	111	47	65
	Nonresident	2,738	2,488	3,483	2,265	674	489	499	1,091
	Total	2,957	2,702	3,806	2,540	695	605	547	1,193
Southeast	Resident	2,062	1,725	2,131	1,207	423	462	1,239	364
	Nonresident	62,416	53,646	64,649	29,802	12,058	13,526	26,137	11,586
	Total	65,390	56,197	68,004	31,750	12,715	14,188	28,125	12,242

<sup>a</sup>Totals may not equal the sum of client residency values due to missing residency information on some logbook records.

## **Southcentral Alaska - Region II**

Approximately 1,320 vessels were licensed in 1998 with the CFEC as sportfishing charter vessels intending to operate in Southcentral Alaska. ADF&G issued about 655 logbooks to fishing businesses with vessels homeported in the Southcentral Alaska area. Of the logbooks issued for these vessels about 460 were issued to vessels from Cook Inlet, 120 to vessels from Prince William Sound, and the remaining 85 to vessels from the Kodiak/Alaska Peninsula area.

Southcentral charter vessel operators provided 34,319 guided client-days for salmon and 96,158 guided client-days for bottomfish or 27% and 59% of statewide client-days, respectively<sup>5</sup>. Southcentral charter vessel harvest of chinook salmon represented 15% of the statewide total; coho salmon harvest was 28% of the statewide total; and halibut harvest was 70% of the statewide total (Table 3, Table 4). Additional breakdown of Southcentral sport charter for salmon and bottomfish by sport fish harvest areas are provided in Table 7 and Table 8.

## **International Halibut Commission (IPHC) Regulatory Areas**

The IPHC was established in 1923 by a convention between Canada and the United States for the preservation of the Pacific halibut *Hippoglossus stenolepis* fishery of the North Pacific Ocean and the Bering Sea. IPHC scientific staff collect and analyze statistical and biological data needed to manage the halibut fishery. While the NPFMC makes allocative and limited entry decisions for halibut, the IPHC is responsible for management of halibut fisheries for optimum yield. The following summaries are included to make information collected by the division's logbook program more useful to the NPFMC and IPHC. Appendix D1 includes a list of ports of landings for IPHC regulatory areas based on data from the 1998 logbook program.

IPHC Area 2C corresponds approximately to the Southeast (Region I) Division of Sport Fish Management Region, but does not include the Yakutat Area (H); IPHC Area 3A corresponds closely to the Southcentral (Region II) Division of Sport Fish Management Region for the Cook Inlet (P, N, M), Prince William Sound (J), and Kodiak (Q) management areas, plus the Yakutat Area (H) (Figure 1, Figure 2, Table 1).

If ADF&G received at least one weekly logbook form that contained information from at least one charter vessel trip that reported targeted effort either exclusively for bottomfish or part of their trip for bottomfish the charter vessel turning in the form was considered an “active” bottomfish charter vessel. Table 9 summarizes the number of halibut vessels and associated businesses by IPHC Area and divisional management regions.

Of the total 28,246 active trips conducted by 607 unique vessels in IPHC Area 2C, 14,952 were charter-fishing trips where clients fished either exclusively for bottomfish or fished part of their trip for bottomfish (Table 9). Table 10 demonstrates that some businesses and vessels in each region provide sport charter services in multiple divisional sport harvest areas. In Southeast there were 624 unique vessels and 422 unique businesses; a few businesses and vessels operated in more than one area.

In IPHC Area 2C a total of 62,433 client-days were reported with an average of 4.2 client-days per trip. Only three percent of the clients were residents of Alaska. The clients on these charter vessel trips harvested 64,198 halibut and caught and released an additional 29,210 halibut (Table 11).

**Table 7.-Southcentral saltwater charter vessel salmon participation and harvest by sport harvest area, 1998<sup>a</sup>.**

Area	Client Residency	Number of Client-Days	Number of Rods	Chinook Salmon Kept	Chinook Salmon Released (28" or larger)	Chinook Salmon Released (smaller than 28")	Coho Salmon Kept	Sockeye Salmon Kept	Pink Salmon Kept	Chum Salmon Kept
Prince William Sound	Resident	1,507	1,138	38	4	19	3,788	122	277	53
	Nonresident	2,483	1,978	71	4	42	5,502	540	1,330	27
	Total	4,007	3,304	109	8	61	9,627	731	1,615	81
Kenai Peninsula, West of Gore Point	Resident	3,911	3,498	1,068	70	23	321	32	145	21
	Nonresident	11,714	10,625	3,359	214	96	1,906	126	1,339	69
	Total	15,908	14,489	4,525	287	125	2,254	174	1,502	90
Kenai Peninsula, East of Gore Point	Resident	3,099	2,219	59	3	49	6,912	105	212	86
	Nonresident	5,638	4,393	72	5	74	13,593	85	532	62
	Total	8,933	6,880	140	9	129	20,953	190	854	148
Kodiak	Resident	1,037	834	298	11	10	1,412	71	72	23
	Nonresident	4,222	3,476	901	47	52	7,442	165	435	32
	Total	5,314	4,555	1,247	59	64	9,305	245	525	61
Naknek River Drainage-Alaska Peninsula	Resident	18	20	7	-	-	5	6	-	-
	Nonresident	99	62	7	-	-	122	4	56	16
	Total	124	89	14	-	-	127	10	56	16
Nushagak	Resident	-	-	-	-	-	-	-	-	-
	Nonresident	33	33	10	34	-	-	-	-	-
	Total	33	33	10	34	-	-	-	-	-
Unknown	Resident	80	67	36	8	-	42	-	1	8
	Nonresident	397	297	74	10	26	339	-	58	15
	Total	481	376	111	18	26	406	5	67	25
<b>Southcentral</b>	Resident	9,572	7,709	1,470	88	101	12,438	336	706	183
	Nonresident	24,189	20,567	4,420	304	264	28,565	920	3,692	206
	Total	34,319	29,350	6,045	397	379	42,266	1,350	4,552	396

<sup>a</sup>Totals may not equal the sum of client residency values due to missing residency information on some logbook records.

**Table 8.-Southcentral saltwater charter vessel bottomfish participation and harvest by area, 1998.**

SWHS Area	Client Residency	Number of Client-Days	Number of Rods	Halibut Kept	Halibut Released	Pelagic Rockfish Kept	Other Rockfish Kept	All Rockfish Released	Lingcod Kept
Prince William Sound	Resident	6,260	6,067	8,027	5,073	1,259	1,385	470	704
	Nonresident	5,401	5,098	6,502	4,100	1,021	1,096	587	506
	Total	11,736	11,456	14,740	10,035	2,434	2,621	1,074	1,249
West Cook Inlet-West Susitna River Drainages	Resident	1	-	1	-	-	-	-	-
	Nonresident	4	-	8	5	-	-	-	-
	Total	5	-	9	5	-	-	-	-
Kenai Peninsula, West of Gore Point	Resident	16,779	15,580	30,561	35,280	312	161	166	40
	Nonresident	43,670	40,214	78,253	79,762	752	294	487	94
	Total	61,494	57,411	114,025	120,308	1,101	491	683	141
Kenai Peninsula, East of Gore Point	Resident	6,252	5,511	7,426	2,819	3,492	621	1,502	296
	Nonresident	8,209	7,050	8,889	3,094	4,225	1,233	2,063	330
	Total	14,808	13,052	17,379	6,327	8,913	1,935	3,763	677
Kodiak	Resident	1,525	1,326	1,782	1,464	388	165	487	57
	Nonresident	5,454	4,696	6,594	5,506	1,076	556	2,336	308
	Total	7,047	6,213	8,751	7,491	1,540	725	3,074	368
Naknek River Drainage- Alaska Peninsula	Resident	350	310	534	954	25	17	52	-
	Nonresident	680	607	1,025	1,648	69	87	102	2
	Total	1,047	935	1,590	2,632	94	127	167	2
Nushagak	Resident	-	-	-	-	-	-	-	-
	Nonresident	21	23	22	7	-	-	-	-
	Total	21	23	22	7	-	-	-	-
Unknown	Resident	72	49	81	85	11	17	70	10
	Nonresident	568	280	444	270	163	31	228	39
	Total	640	333	551	364	183	54	298	58
<b>Southcentral</b>	Resident	31,167	28,794	48,331	45,590	5,476	2,349	2,677	1,097
	Nonresident	63,439	57,688	101,293	94,122	7,143	3,266	5,575	1,240
	Total	96,158	89,090	156,516	146,805	14,082	5,899	8,761	2,437

<sup>a</sup>Totals may not equal the sum of client residency values due to missing residency information on some logbook records.

In IPHC Area 3A 515 active vessels conducted 21,143 total charter fishing trips with 16,639 trips where clients fished either exclusively for bottomfish or fished part of their trip for bottomfish (Table 9). Table 10 demonstrates that some businesses and vessels in each region provide sport halibut charter services in multiple divisional management areas. In Southcentral there were 508 unique vessels and 426 unique businesses; a few businesses and vessels operated in more than one area.

In IPHC Area 3A a total of 98,180 client-days were reported with an average of 5.9 client-days per trip. Thirty-two percent of the clients were residents of Alaska. The clients on these charter vessel trips harvested 158,842 halibut and caught and released an additional 146,764 halibut (Table 11).

**Table 9.-Active bottomfish charter vessels and guide businesses by IPHC Area and Division of Sport Fish management region, 1998.**

<b>Location</b>	<b>Number of Unique Active Vessels<sup>a</sup></b>	<b>Number of Unique Bottomfish Vessels<sup>a</sup></b>	<b>Total Number of Logbook Trips</b>	<b>Number of Bottomfish Logbook Trips</b>	<b>Number of Unique Bottomfish Businesses<sup>a</sup></b>
<b>IPHC Area</b>					
2C	607	565	28,246	14,952	410
3A	515	496	21,143	16,639	429
3B	2	2	6	5	2
4A	6	5	192	173	6
4E	5	5	80	46	5
Unknown	6	1	275	53	6
Statewide	1,135	1,070	49,942	31,868	845
<b>Management Region</b>					
Southeast	624	580	29,010	15,593	422
Southcentral	508	491	20,664	16,226	426
Unknown	6	1	268	49	6
	1,135	1,070	49,942	31,868	845

<sup>a</sup>Statewide totals are not the sum of IPHC Area or Management Regions due to some vessels providing services in both Southeast and Southcentral.



**Table 10.-Active halibut charter vessels and sportfishing guide businesses by Division of Sport Fish sport harvest areas and regions, 1998.**

Sport Fish Division Sport Harvest Area <sup>a</sup>	Number of Unique Active Vessels	Number of Unique Bottomfish Vessels	Total Number of Logbook Trips	Number of Bottomfish Logbook Trips	Number of Bottomfish Businesses
Ketchikan (A)	102	88	6,171	1,702	74
Prince of Wales (B)	126	120	5,762	4,220	57
Kake, Petersburg, Wrangell, Stikine (C)	63	57	1,213	949	51
Sitka (D)	246	230	8,869	5,517	182
Juneau (E)	128	113	4,410	1,915	100
Haines-Skagway (F)	15	12	936	104	11
Glacier Bay (G)	46	41	885	545	42
Yakutat (H)	17	15	764	641	13
Southeast Region <sup>b</sup>	624	580	29,010	15,593	422
Prince William Sound (J)	85	80	2,906	2,032	74
West Cook Inlet-West Susitna River Drainages (N)	1	1	12	9	1
Kenai Peninsula, West of Gore Point (P, in part)	280	273	12,253	10,485	230
Kenai Peninsula, East of Gore Point (P, in part)	97	79	3,068	1,877	86
Kodiak (Q)	72	72	2,146	1,599	60
Naknek River Drainage-Alaska Peninsula (R)	10	10	262	217	10
Nushagak (T)	1	1	17	7	1
Southcentral Region <sup>b</sup>	508	491	20,664	16,226	426
Unknown	6	1	268	49	6
Statewide	1135	1070	49,942	31,868	845

<sup>a</sup>. Refer to Figure 2 for a map of the sport harvest areas.

<sup>b</sup>. The regional vessels and businesses may not equal the area sums because a vessel or business may operate in multiple areas.

**Table 11.-Charter boat bottomfish participation and harvest by IPHC area, 1998.**

IPHC Area	Client Residency	Number of Client-Days	Number of Rods	Halibut Kept	Halibut Released	Pelagic Rockfish Kept	Other Rockfish Kept	All Rockfish Released	Lingcod Kept
2C	Resident	1,890	1,575	1,909	1,048	404	351	1,192	299
	Nonresident	59,678	51,158	61,166	27,537	11,384	13,037	25,638	10,495
	Total	62,433	53,495	64,198	29,210	12,020	13,583	27,578	11,049
3A	Resident	30,997	28,642	48,027	44,797	5,470	2,442	2,672	1,162
	Nonresident	65,598	59,629	103,858	94,790	7,740	3,666	5,987	2,330
	Total	98,180	90,928	158,842	146,764	14,665	6,374	9,156	3,629
3B	Resident	11	8	11	-	-	1	-	-
	Nonresident	18	18	18	3	10	3	-	-
	Total	29	26	39	6	20	4	-	-
4A	Resident	5	5	10	2	-	-	-	-
	Nonresident	-	-	-	-	-	-	-	-
	Total	5	5	10	2	-	-	-	-
4E	Resident	3	2	1	-	-	-	-	-
	Nonresident	33	28	32	19	3	-	3	-
	Total	36	30	33	19	3	-	3	-
Unknown	Resident	395	336	585	1,035	36	34	122	10
	Nonresident	1,096	781	1,312	1,845	227	117	312	40
	Total	1,505	1,136	1,949	2,918	272	180	447	59
Statewide	Resident	33,301	30,568	50,543	46,882	5,910	2,828	3,986	1,471
	Nonresident	126,423	111,614	166,386	124,194	19,364	16,823	31,940	12,865
	Total	162,188	145,620	225,071	178,919	26,980	20,141	37,184	14,737

<sup>a</sup>Totals may not equal the sum of client residency values due to missing residency information on some logbook records.

## DISCUSSION

Much of what follows is a discussion of the registration and logbook reporting process and results, rather than the implication of the information obtained. Once additional years of data are available and logbook results have been compared with independent estimates provided by other ADF&G studies, it may be appropriate to discuss the findings and their implications.

### GUIDE AND BUSINESS REGISTRATION

The 1998 and current (1999) ADF&G guide and business registration process differs from earlier registration efforts in terms of the approach used and the information collected on registration forms. They do, however, bear one similarity to the department's previous registration efforts in that they solicit information on intent to provide services. Thus the 1998 and 1999 registration processes are similar and, if continued in the present format would provide a basis for establishing a long-term database of registered businesses and guides. However, information summaries on the type (saltwater vs freshwater) and location (regions/subareas) of services provided are still based solely on statements of intent.

### LOGBOOKS

In 1997, ADF&G in conjunction with the CFEC created a new licensing category for sport charter vessels called the "*Sport Vessel License*". The 1998 CFEC database for Sport Vessel Licenses indicated there were 3,665 sportfishing charter vessels.

The IPHC repealed their regulation requiring IPHC sport charter vessel licenses to Alaska or British Columbia vessel operators in 1998 as they had done in previous years<sup>6</sup>. In Alaska the IPHC chose to use data from the 1998 logbook program to monitor this fishery (a similar approach is being followed by the IPHC for the 1999 fishery. Thus no 1998 IPHC charter vessel license records are available to contrast with logbook information.

### 1998 Logbooks

Of the 3,665 1998 CFEC sportfishing charter vessels registered, 2,541 vessels intended to charter in saltwater. The ADF&G guide business registration process returned 1,397 businesses intending to provide services in saltwater and ADF&G issued 1,575 logbooks, yet received activity reports from only 1,135 unique vessels statewide. It is likely that a number of business and vessel owners intent to provide sportfishing charter services in saltwater were unrealized.

A wide variety of means were employed to notice the public regarding the new 1998 logbook requirements. The 1998 guide and business registration forms and sport fishing regulation summaries included statements about logbook requirements, the division's Internet site explained the registration and logbook requirements, and ADF&G staff also communicated directly with local charter associations. In addition ADF&G issued news releases in Southeast and Southcentral and sent letters explaining the logbook requirement to businesses registered to provide saltwater services in Southeast. Letters were mailed to Southeast businesses only because of specific needs for Southeast data and the outlook that the first year was somewhat of a "test" phase elsewhere in the state.

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<sup>6</sup> The CFEC sportfishing vessel license application states in error that halibut sportfishing charter vessels must be registered with the IPHC.

As vessel owners and businesses realize that ADF&G logbook data may be used to meet qualifying criteria for limited entry, we speculate more registered vessels will probably make an effort to report some fishing activity during the season.

Independent comparisons of 1998 logbook information with estimates of effort and harvest from the division's SWHS project won't be possible until fall 1999. Until comparison can be made between logbook summaries and estimates from the division's SWHS project, no final assessment should be made related to the accuracy of the logbook information. The division has continued the saltwater logbook program in 1999 with some modifications. Until at least three years of comparisons can be made between logbook data and estimates of participation and harvest from the division's SWHS project and creel survey projects, the division will make no definitive conclusions about the accuracy of logbook reports.

The 1998 logbook program experienced some start-up problems associated with form design, form distribution, and staffing requirements to complete programming and data capture. Problems experienced in 1998 have been addressed for 1999 and the operation should run smoother from the division's perspective. While there is some anecdotal and other evidence that some charter operators did not complete logbooks or that specific daily records differ between on-site creel surveys and logbook entries, we can't empirically assess the magnitude of such problems. In addition crew harvest reporting seemed smaller than staff expected in some locations. Some specific start-up problems are included in Appendix E1.

### **1999 Logbooks**

A single statewide form will be used again for 1999. The basic information collected by the 1999 logbooks will be the same as that collected in 1998. Some changes were made to better track logbooks as they are issued, to improve ease of use of the forms, to improve capture crew harvest information, and to improve tracking and handling of forms during data capture.

Changes to the 1999 logbook were made to include:

1. Unique logbook numbers have been put on the cover and each page of the logbook and sequential page numbers have been added to track logbook page returns. This will help with CFEC license and vessel identification.
2. The basic data collection page was redesigned to improve reporting.
3. A new and more complete "checkout" sheet was added to the logbook to track distribution by each area office. Information recorded on the "checkout" sheet can be entered into a database via the divisional Intranet by area staff or sent to Research and Technical Services for data capture. The 1999 "check-out" sheet has fields for the following information:
  - Date Issued
  - Business name
  - Business Owner/Agent name
  - ADF&G BUSINESS registration number
  - Mailing address
  - Phone Number
  - Vessel name and ADF&G CFEC number

- Home Port
  - Signature of ADF&G representative, Area Office
  - A comments area.
4. The salmon information columns are grouped together on the form, bottomfish information grouped together also. This should help get more complete/consistent salmon-trip information and/or bottomfish-trip data.
  5. A "crew" line has been added for each trip immediately below the "resident" and "nonresidents" rows. This would enhance distinctions for crew/client residency breakdown, but could cause some reporting inconvenience for vessels that regularly take 2 trips per day. The second trip in a day will be recorded on a Supplemental logbook sheet in 1999.
  6. We are looking at options for providing feedback to businesses regarding incomplete or missing logbook pages and/or data.
  7. Options for scanning all logbook pages to make digital copies available is being implemented. This will allow for quick checks of the original logbook pages and provide access to the images through the divisional Intranet.
  8. In-season entry of logbook data forms is possible from area offices throughout the state using the divisional Intranet. It is expected that Kodiak staff may enter logbook records for their area.

For the 1999 logbooks data processing staff will be watching closely for the following types of problems:

- Businesses with multiple vessels and logbooks mixing which logbook is used for which vessel from week to week<sup>7</sup>.
- Incomplete logbook pages, missing logbook pages (even inactive pages), and late logbook pages.
- Logbooks issued without collecting the checkout page information.
- Logbooks being issued to sportfishing guides instead of the sport fishing business.

## **ACKNOWLEDGEMENTS**

Southeast and Southcentral regional and area staff, especially numerous front counter personnel, were critical to the implementation of the 1998 ADF&G sportfishing guide and business registration and saltwater sportfishing charter vessel logbook program. Southeast region staff that oversaw the technical and inseason aspects of the logbook program in their areas were Paul Suchanek, Brian Frenette, and Dennis Hubartt. The above staff along with Rob Bentz from Southeast and Scott Meyer and Len Schwarz from Southcentral also provided valuable comments during the process of registration and logbook form design.

Bob Walker and Jeff Sabrowski of the division's Research and Technical Services section deserve considerable credit for designing and implementing efficient information management

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<sup>7</sup> A logbook should provide a complete record of a single vessel's fishing activity for the year. It should include all fishing trips and also indicate all days on which no trips were taken.

systems for data capture, cleaning, storage, and reporting. These systems, accessible via the division's Intranet, allowed area staff statewide to query the most up-to-date registration and logbook databases via their Internet browser. Kathy Kush, Joanne MacClellan, Donna Buchholz, Beverly Greenstein, and several seasonal technicians deserve credit for receiving, entering, and filing the registration and logbooks forms. With their perseverance, we met reporting deadlines that seemed nearly impossible with available staffing and workloads.

Of course, we must certainly acknowledge the cooperation of the thousands of sportfishing guides and sportfishing businesses that registered and completed the saltwater sportfishing charter vessel logbooks.

**APPENDIX A.**  
**ADMINISTRATIVE CODE RELATED TO GUIDE**  
**REGISTRATION AND REPORTING**

**Appendix A1.-Registration requirements for fishing guide services and sportfishing guides, sport fishing regulations 5 AAC 75.075.**

**5 AAC 75.075: FISHING SERVICES AND SPORTFISHING GUIDES; REGISTRATION REQUIREMENTS; REGULATION OF ACTIVITIES.**

- (a) An owner of a business intending to conduct fishing services shall register annually with the department before the business conducts fishing services. To meet the registration requirement of this subsection, the owner shall complete a fishing services registration form provided by the department. The following information must be provided on the fishing services registration form at the time of registration:
  - (1) the name, permanent address, local address, mailing address, and phone number of the business conducting the fishing service;
  - (2) the name, permanent residence address, local residence address, mailing address, and phone number of each owner of the business conducting the fishing service;
  - (3) the areas in which the fishing service intends to operate; and
  - (4) other information required by the department on the registration form.
- (b) The owner of a business that conducts fishing services:
  - (1) may not directly provide fishing guide services to anglers unless the owner is also registered as a fishing guide under (c) of this section;
  - (2) may employ or contract with a person who is a fishing guide registered under (c) of this section to provide fishing guide services.
- (c) A person who intends to provide fishing guide services shall register annually with the department before the person provides fishing guide services. To meet the registration requirement of this subsection, the person intending to provide fishing guide services shall complete a fishing guide services registration form provided by the department. The following information must be provided on the fishing guide service registration form at the time of registration:
  - (1) the name, permanent residence address, mailing address, and phone number of the person who will provide fishing guide services;
  - (2) the areas in which the fishing guide will operate; and
  - (3) other information required by the department on the registration form.



**Appendix A1.-Page 2 of 2.**

- (d) A person who provides fishing guide services may only provide fishing guide services
  - (1) as an employee of or as a contractor under an agreement with a business that conducts fishing services that has registered under (a) of this section; or
  - (2) as the owner of a business that conducts fishing services that has registered under (a) of this section.
- (e) While engaged in providing fishing guide services, a person who provides fishing guide services shall have in possession:
  - (1) a copy of the person's completed fishing guide registration form; and
  - (2) a copy of the completed registration form of the business conducting the fishing services by which the person providing the fishing guide services is employed or with which the person is affiliated.
- (f) A person who provides fishing guide services or a business that conducts fishing services may not aid in the commission of a violation of AS 16.05 - AS 16.40 or a regulation adopted under AS 16.05 - AS 16.40 by an angler who is a client of the person or of the business.
- (g) Repealed 5/19/98.

History - Eff. 4/18/86, Register 98; am 5/13/95, Register 134; am 4/23/98, Register 146; am 5/19/98, Register 146

Authority:

AS 16.05.251

## **Appendix A2.-Southeast Alaska king salmon management plan.**

### **5 AAC 47.055: SOUTHEAST ALASKA KING SALMON MANAGEMENT PLAN.**

- (a) The commissioner shall establish, by emergency order, the king salmon sport fish daily bag limit based on the preseason king salmon abundance index determined by the Chinook Technical Committee of the Pacific Salmon Commission as described in "Pacific Salmon Commission Joint Chinook Technical Committee 1992 Annual Report," dated November 19, 1993, hereby adopted by reference. When the preseason king salmon abundance index becomes available, the commissioner shall establish, by emergency order, the king salmon sport fish daily bag limit at either one, two, or three fish, whichever is projected to result in the projected sport harvest that comes closest to 20 percent of the annual harvest ceiling specified by the Pacific Salmon Commission, after the commercial net harvest specified in 5 AAC 33.365 (b)(10) is subtracted from the total harvest ceiling. The preseason-projected harvest at this daily bag limit becomes the harvest ceiling for the king salmon sport fishery for the remainder of the calendar year. The daily bag limit set by the commissioner will remain in effect until December 31, unless changed by emergency order issued under (e) or (f) of this section.
- (b) The objectives of the management plan in this section are to allow uninterrupted sport fishing in marine waters for king salmon, while not exceeding the sport fishery harvest ceilings established in (a) of this section, and to minimize regulatory restrictions on anglers not fishing from a charter vessel, who harvest king salmon at a lower catch-per-unit of effort than do anglers fishing from a charter vessel.
- (c) The department shall monitor the Southeast Alaska Area sport fisheries to obtain in-season estimates of the king salmon harvest.
- (d) If the total seasonal sport fishery harvest of king salmon in the Southeast Alaska Area is projected to be within plus or minus 7.5 percent of the sport fishery harvest ceiling, no regulatory changes to the sport fisheries will occur.
- (e) If the total seasonal sport fishery harvest of king salmon in the Southeast Alaska Area is projected to exceed the sport fishery harvest ceiling by more than 7.5 percent, the department shall close the king salmon sport fishing season in the Southeast Alaska Area and may re-open the season in areas by emergency order during which any of the following restrictions, selected at the department's discretion, are in effect:
  - (1) repealed 5/2/97;
  - (2) the daily bag and possession limit for king salmon taken by anglers fishing from a charter vessel is one fish;

**Appendix A2.-Page 2 of 3.**

- (3) king salmon less than 30 inches in length may not be possessed or retained; all king salmon less than 30 inches must be released immediately;
  - (4) the use of downriggers on charter vessels is prohibited;
  - (5) the use of downriggers is prohibited;
  - (6) areas containing high numbers of wild king salmon and enhanced king salmon not produced in Alaska hatcheries are closed to king salmon fishing;
  - (7) the daily bag and possession limit for king salmon is one fish;
  - (8) the daily bag and possession limit for king salmon during times and in areas where a fishing derby is occurring is one fish;
  - (9) king salmon less than 40 inches in length may not be possessed or retained; all king salmon less than 40 inches in length must be released immediately; the daily bag and possession limit for king salmon 40 inches or more in length is one fish.
- (f) If the total seasonal sport fishery harvest of king salmon in the Southeast Alaska Area is projected to be less than the sport fishery harvest ceiling by 7.5 percent or more, the department shall close the king salmon fishing season in the Southeast Alaska Area and may re-open the season in areas by emergency order during which any of the following provisions, selected at the department's discretion, are in effect:
- (1) the daily bag and possession limit for king salmon taken by anglers not fishing from a charter vessel is three fish;
  - (2) for anglers not fishing from a charter vessel, fishing for king salmon is permitted with the use of two lines per angler;
  - (3) king salmon less than 26 inches in length may not be possessed or retained; all king salmon less than 26 inches must be released immediately;
  - (4) the daily bag and possession limit for king salmon is three fish;
  - (5) fishing for king salmon is permitted with the use of two lines per angler.
- (g) The commissioner may adopt regulations that
- (1) establish a mandatory log book program for operators of charter vessels, for outfitters, or for owners of dry skiff rentals, in order to monitor the king salmon harvest and effort;
  - (2) require that anglers obtain and complete an annual, nontransferable harvest record; a harvest record must be in the possession of each person fishing for king salmon in marine waters;

**Appendix A2.-Page 3 of 3.**

- (3) require that anglers turn in the head of all adipose fin-clipped king salmon, along with the date and location of the catch, to a representative of the department or to a peace officer of the state;
  - (4) establish other reporting requirements necessary to obtain information required to implement the management plan in this section.
- (h) If the king salmon sport fishery exceeds or falls short of the harvest ceiling established under (a) of this section, the current year's commercial troll fishery harvest quota will be adjusted up or down to harvest the remainder of the annual harvest ceiling specified by the Pacific Salmon Commission.
- (i) If the total annual sport harvest of king salmon exceeds the sport fishery harvest ceiling by more than 7.5 percent, the number of king salmon harvested above that level will be subtracted from the 20 percent sport fishery allocation for the following year.
- (j) If the total annual sport harvest of king salmon is less than the sport fishery harvest ceiling and does not come within 7.5 percent of the harvest ceiling, the number of additional king salmon necessary to bring the sport harvest within 7.5 percent of the harvest ceiling will be added to the 20 percent sport fishery allocation for the following year.
- (k) If the preseason king salmon abundance index is 1.5 or above, the commissioner shall increase, by emergency order, the nonresident angler's annual harvest limit to five king salmon 28 inches or more in length.

History - Eff. 4/15/94, Register 130; am 5/2/97, Register 142

Authority:

AS 16.05.060

AS 16.05.251

AS 16.05.270

Editor's Notes -

Copies of the Pacific Salmon Commission Joint Chinook Technical Committee 1992 Annual Report adopted by reference in 5 AAC 47.055 (a) are available from the Pacific Salmon Commission, 600-1155 Robson Street, Vancouver, BC, V6E 1B5, phone: (604) 684-8081; the 1992 Annual Report is also available for inspection at the Lieutenant Governor's Office in Juneau, Alaska or at the Department of Fish and Game's Southeast Regional Office, 802 3rd Street, Douglas, Alaska 99824.

**Appendix A3.-Reporting requirements for sportfishing guides, sport fishing regulations  
5 AAC 75.076.**

**5 AAC 75.076: FISHING SERVICES AND SPORTFISHING GUIDES REPORTING  
REQUIREMENTS.**

- (a) In conjunction with the activities regulated under 5 AAC 75.075 (a) - (f), each fishing guide, and the owner or agent of each fishing service, that operates a charter vessel used to provide fishing guide services in salt waters shall complete a State of Alaska, Department of Fish and Game, 1998 Saltwater Sport Fishing Charter Vessel Logbook, herein adopted by reference. The logbook requires information necessary for the management and conservation of fishery resources or the regulation of the guided sport fishing industry, including:
- (1) the license numbers and names of the vessels licensed under AS 16.05.490 that are used during the provision of fishing guide services in marine waters;
  - (2) the U.S. Coast Guard license number of the skippers operating the charter vessel;
  - (3) the locations of fishing; and
  - (4) the effort, catch, and harvest of fish by persons who are clients of a business that conducts fishing services or of a person who provides fishing guide services.
- (b) A person required to complete a logbook under (a) of this section shall do so and return it to the department, in the manner specified in the logbook.
- (c) A person may not make a false entry in the logbook required in (a) of this section.

History - Eff. 5/19/98, Register 146; am 9/23/98, Register 147

Authority -

AS 16.05.251

Editor's Notes -

The logbook adopted by reference in 5 AAC 75.076 (a) is available from Department of Fish and Game offices in Anchorage, Soldotna, Palmer, Ketchikan, Sitka, Douglas, or by writing to the Alaska Department of Fish and Game, Division of Sport Fish, P.O. Box 25526, Juneau, Alaska 99802-5526. In addition, the logbook is available for inspection at the Lieutenant Governor's Office, Juneau, Alaska.



**APPENDIX B.**  
**SPORTFISHING GUIDE AND BUSINESS REGISTRATION**  
**FORMS, 1998 AND 1999**

## Appendix B1.-Sportfishing guide and business registration form, 1998.

Alaska Department of Fish and Game

No. \_\_\_\_\_  
(year)

### ***Sport Fishing Services Business & Fishing Guide Registration Form***

*This is a two part form. Any business that provides sport fishing services is required to complete **Part A** of this form to register with the Department of Fish and Game. **Part B** of the form must be completed by any person conducting fish guiding services. The owner(s) of Sport Fishing Services Businesses who also personally guide clients must complete BOTH sections of the form. The form must be completed and signed by an authorized representative of the Department of Fish and Game prior to conducting fishing or guiding services. Each Sport Fishing Services Business and each fishing guide must register annually with the Department. Please refer to the back of this page for detailed instructions.*

**Part A: Fishing Services Business Registration** - A copy of the completed Sport Fishing Services Business Registration form must be in the possession of each sport fishing guide in your employment while providing guiding services within the State of Alaska.

BUSINESS NAME \_\_\_\_\_ Business License Number \_\_\_\_\_

Business Owner's or Permanent Contact Name (Last, First, M.I.) \_\_\_\_\_

Fishing Season Contact Person \_\_\_\_\_

Permanent Mailing Address - Street or P.O. Box \_\_\_\_\_

Fishing Season Contact Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_

Fax \_\_\_\_\_

Phone \_\_\_\_\_

Fax \_\_\_\_\_

*Indicate below if your business provides guide services in saltwater and/or freshwater. If saltwater is designated, please indicate if operations occur in Southcentral or Southeast Alaska and indicate the number of vessel(s) operating in each area. If freshwater is designated, list the specific areas in which guide services are provided as explained on the back of this form.*

Does business provide **SALTWATER** guide services? YES NO (circle one)

If yes, check the area(s) of operation and number of vessels operating in each area: ☐ Southeast No. of Vessels: \_\_\_\_\_

☐ Southcentral No. of Vessels: \_\_\_\_\_

Does business provide **FRESHWATER** guide services? YES NO (circle one)

If yes, list specific areas of operation as explained on back of form.

#### **AREAS OF FRESHWATER OPERATION**

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**AS A SPORT FISHING SERVICES BUSINESS OWNER YOU ARE RESPONSIBLE FOR LICENSING VESSELS USED IN SALTWATER OR FRESHWATER GUIDED FISHING OPERATIONS AS REQUIRED BY THE COMMERCIAL FISHERIES ENTRY COMMISSION.**  
**Contact CFEC at (907) 789-6150 for information about vessel licenses. You are also responsible for ensuring operations are conducted in compliance with applicable ADF&G regulatory requirements (for example, maintenance of logbooks by saltwater charter operators).**

Signature of Business Owner/Agent \_\_\_\_\_

Date \_\_\_\_\_

Department Representative \_\_\_\_\_

Date \_\_\_\_\_

**Part B: Fishing Guide Registration** - A copy of your Fishing Guide Registration form and a copy of your employer's Sport Fishing Services Business Registration form must be in your possession while you are providing guiding services within the State of Alaska.

Last Name \_\_\_\_\_

First Name \_\_\_\_\_

M.I. \_\_\_\_\_

Driver's License Number/State \_\_\_\_\_

Permanent Mailing Address & Contact Phone: \_\_\_\_\_

Fishing Season Contact Person: \_\_\_\_\_

Street or P.O. Box \_\_\_\_\_

Fishing Season Contact Address (Street or P.O. Box) \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

Phone \_\_\_\_\_

Fax \_\_\_\_\_

Phone \_\_\_\_\_

Fax \_\_\_\_\_

Signature of Fishing Guide/Agent \_\_\_\_\_

Date \_\_\_\_\_

Department Representative \_\_\_\_\_

Date \_\_\_\_\_

*Pink copy to Business or Guide, white and yellow to ADF&G, Division of Sport Fish (98)*

Area Office: \_\_\_\_\_



## Appendix B2.-Sportfishing guide and business registration form, 1999.



State of Alaska  
Department of Fish and Game  
Division of Sport Fish  
333 Raspberry Road  
Anchorage, Alaska 99518-1599

# 1999 Fishing Guide and Business Registration Renewal

No. 1999-

For more information, contact:  
Research & Technical Services  
(907) 267-2369 • Fax (907) 267-2422

### IMPORTANT: YOU MUST RETURN THIS FORM TO BE REGISTERED.

State regulation requires that all businesses and individuals providing sport fishing guide services in Alaska register annually with the Department of Fish and Game before guiding. To renew your registration, mail this completed form to the address above. As proof of valid registration, a wallet-sized card will be mailed to you after we receive your renewal. Registered guides must also have in their possession a photocopy of the validated registration of the business that employs them.

**PLEASE PRINT:** Incomplete or unreadable registration forms will delay your registration!

**To register a BUSINESS:** ONLY the business owner or an authorized agent of the business owner should fill out this section. A business should be registered only ONCE for 1999.

Name of Business (If incorrect, please correct):

Permanent Mailing Address:

Street or P.O. Box

City State Zip Country

Telephone Number:

Name of Business Owner or Permanent Contact Person:

Last Name/Surname First Name MI

Alaska Business License Number

Inseason Mailing Address:

☐ SEND THE WALLET-SIZED  
CARD TO THIS ADDRESS

Street or P.O. Box

City State Zip Country

Inseason Telephone Number:

Inseason Contact Person:

Last Name/Surname First Name MI

SIGNATURE OF OWNER/AGENT

X

Date:

About your business: where do you provide fishing services?

If SALTWATER, where?

☐ Southcentral - Kodiak to Cape Suckling

Number of vessels

☐ Southeast - Cape Suckling to Dixon Entrance

Number of vessels

☐ Other

Number of vessels

**Saltwater Charter  
Vessel Logbooks  
are required**

If FRESHWATER, where?

☐ Arctic/Yukon/Upper Kuskokwim

☐ Bristol Bay/Lower Kuskokwim

☐ Cook Inlet/Kenai/Mat-Su

☐ Kodiak/Alaska Peninsula/Aleutians

☐ Prince William Sound/Upper Copper-Upper Susitna

☐ Southeast Area

**To register yourself as a GUIDE:**

Name of Guide:

Last Name/Surname First Name MI

Permanent Mailing Address:

Street or P.O. Box

City State Zip Country

Telephone Number:

Guide's Driver's License Number and State:

Inseason Mailing Address:

☐ SEND THE WALLET-SIZE  
CARD TO THIS ADDRESS

Street or P.O. Box

City State Zip Country

Inseason Telephone Number:

SIGNATURE OF GUIDE/AGENT

X

Date:

**FOLD SO OUR ADDRESS SHOWS ON THE OUTSIDE, SEAL, ADD POSTAGE, AND MAIL.  
VALIDATED REGISTRATIONS MUST BE IN YOUR POSSESSION BEFORE GUIDING ACTIVITY CAN BEGIN.**



**APPENDIX C.**  
**SALTWATER SPORTFISHING CHARTER VESSEL**  
**LOGBOOK FORMS, 1998 AND 1999**

# Appendix C1.-Sample 1998 saltwater sport fishing charter vessel logbook form.

**1998 ALASKA DEPARTMENT OF FISH & GAME SALTWATER SPORTFISHING CHARTER VESSEL LOGBOOK**

ADFG (CHECK) No.  Vessel Name:

Check if this is your **FIRST** form of the season ☐   
 Check if this is your **LAST** form of the season ☐

This Logbook sheet is for the week of: 5/4/98 thru 5/10/98

This Logbook sheet must be POSTMARKED NO LATER THAN: 5/17/98

**Sport Fishing Harvest by Species--NOTE: harvest must be broken down by Residents (R) and Nonresidents (N)!!**

Date	Trip No. (in day)	USCG License No. of Skipper for Trip	Skipper Initials	Port or Site of Landing for Trip	Where Fishing Occurred (use map provided to you)		Boat Hours Spent Fishing		Client Information (Name, Address, Phone)	Rods Flashed		King Salmon		Coho Salmon		Sockeye Salmon		Pink Salmon		Chum Salmon		Halibut		Pelagic Rockfish		Other Rockfish		All Rockfish		Lingcod		Salmon Sharks	
					Primary Area for Salmon	Primary Area for Bottomfish	Hours Fishing for Salmon	Hours Fishing for Bottomfish		For Salmon	For Bottomfish	Total Released (20" or larger)	Total Kept	Total Released	Total Kept	Total Released	Total Kept	Total Released	Total Kept	Total Released	Total Kept	Total Released	Total Kept	Total Released	Total Kept	Total Released	Total Kept	Total Released	Total Kept	Total Released	Total Kept	Total Released	Total Kept
Mon. May 04	1																																
Tue. May 05	2																																
Wed. May 06	1																																
Thu. May 07	2																																
Fri. May 08	1																																
Sat. May 09	2																																
Sun. May 10	1																																
	2																																

**CERTIFICATION STATEMENT:**

\_\_\_\_\_  
 (Signature of Agent of Business Operating Vessel Named Above), certify that the information contained in this document is true and correct to the best of my knowledge. \_\_\_\_\_ (Today's Date).



State of Alaska - Department of Fish & Game - Division of Sport Fish - Saltwater Sport Fishing Charter Vessel Logbook

WEEK OF April 26-May 2, 1999. This sheet must be postmarked by May 9, 1999. No. 1280

**INSTRUCTIONS:** Mark each inactive date. Mail white copy to ADF&G; keep pink copy for your records. Return signed sheets for ALL days, active and inactive, between your first and last 1999 charter trips.

☐ This form has my FIRST charter of the season. ☐ This form has my LAST charter of the season.

ADF&G No.  Vessel Name

DATE	Day of Week	No. of Days Trip	PORT OR SITE OF OFF-LOADING	NUMBER OF CLIENTS AND CREW	SALMON FISHING			Number of KING SALMON			Number of Other Salmon			BOTTOMFISH FISHING			Number of Halibut		Number of Pelagic Rockfish (Black Bass, etc.)		Number of Other Rockfish (Red Snapper, etc.)		Number of Lingcod	
					Primary Area Fished (Write 1 Salmon Code no. per Date)	No. Rocks Fished for Salmon	Boat Hours Fished for Salmon	28" and Larger	"Shakers" Less Than 28"	Coho Kept	Coho Released	Princs Kept	Chum Kept	Primary Area Fished (Write 1 Bottomfish Code no. per Date)	No. Rocks Fished for Bottomfish	Boat Hours Fished for Bottomfish	Kept	Released	Kept	Released	Kept	Released	Kept	Released
MON APR 26				RESIDENT		RESIDENT									RESIDENT									
				NONRESIDENT		NONRESIDENT									NONRESIDENT									
				CREW		CREW									CREW									
TUES APR 27				RESIDENT		RESIDENT									RESIDENT									
				NONRESIDENT		NONRESIDENT									NONRESIDENT									
				CREW		CREW									CREW									
WED APR 28				RESIDENT		RESIDENT									RESIDENT									
				NONRESIDENT		NONRESIDENT									NONRESIDENT									
				CREW		CREW									CREW									
THURS APR 29				RESIDENT		RESIDENT									RESIDENT									
				NONRESIDENT		NONRESIDENT									NONRESIDENT									
				CREW		CREW									CREW									
FRI APR 30				RESIDENT		RESIDENT									RESIDENT									
				NONRESIDENT		NONRESIDENT									NONRESIDENT									
				CREW		CREW									CREW									
SAT MAY 1				RESIDENT		RESIDENT									RESIDENT									
				NONRESIDENT		NONRESIDENT									NONRESIDENT									
				CREW		CREW									CREW									
SUN MAY 2				RESIDENT		RESIDENT									RESIDENT									
				NONRESIDENT		NONRESIDENT									NONRESIDENT									
				CREW		CREW									CREW									

**CERTIFICATION:** I certify that the information contained in this document is true and correct to the best of my knowledge. ☒ BUSINESS OWNER OR AGENT SIGNATURE  DATE



**APPENDIX D.**  
**SALTWATER SPORTFISHING CHARTER VESSEL**  
**LOGBOOK PORTS OF LANDING FOR IPHC**  
**REGULATORY AREAS, 1998**

**Appendix D1.-Ports of landing within IPHC  
regulatory areas from logbook data, 1998.**

2C	2C	2C
ANGOON	HAWK INLET	PYBUS POINT
AUKE BAY	HOLLIS	REFUGE COVE
BAR HARBOR	HOOD BAY	ROCKY PASS RESORT
BARANOF	HOONAH	ROCKY POINT
BARTLETT COVE	HYDABURG	ROWAN BAY
BAY OF PILLARS	HYDER	S DALL ISLAND
BOARDWALK	IDAHO INLET	S KAIGANI BAY
BWL	JUNEAU	S LONG ISLAND
CAMP ISLAND	KAKE	SAGINAW BAY
CANNERY COVE	KALININ BAY	SALISBURY SOUND
CAPE CHACON	KC	SALMON FALLS
CAPE MUZON	KELP BAY	SALTERY BAY
CATCHAKING	KETCHIKAN	SAOOK BAY
CEDARS LODGE	KHAZ BAY	SARKAR COVE
CHOLMONDELEY SOUND	KLAWOCK	SEAL BAY [SE]
CLOVER BAY	KNUDSON COVE	SEALING COVE
CLOVER PASS	KUIU ISLAND	SHELIKOF BAY
COFFMAN COVE	KUPREANOF ISLAND	SHELTER ISLAND
COSMOS COVE	LITUYA BAY	SILVER KING LODGE
CRAIG	LODGE	SITKA
CRESCENT HARBOR	METLAKATLA	SITKOH BAY
DALY FLOAT	MEYER'S CHUCK	SKAGWAY
DEEP BAY	MOIRA SOUND	SPORTSMAN COVE
DOUGLAS	MORNE ISLAND	SURESTRIKE
EL CAPITAN	NARROWS INN	TEE HARBOR
ELFIN COVE	NAUKATI	TENAKEE
EXCURSION INLET	NICHOLS BAY	THOMAS BASIN
FICK COVE	OGDEN PASSAGE	THORNE BAY
FIREWEED LODGE	ORR ISLAND	VIXEN INLET
FRESHWATER BAY	OUTER POINT	WARM SPRINGS BAY
FUNTER BAY	PELICAN	WATERFALL
GEORGE INLET	PETERSBURG	WHALE BAY
GLACIER BAY	POINT BAKER	WHALE PASS
GOLD COAST LODGE	PORT ALEXANDER	WHALERS COVE
GULL COVE	PORT ALTHROP	WHALES RESORT
GUSTAVUS	PORT PROTECTION	WHITESTONE HARBOR
HAINES	PORT REEL MARINA	WRANGELL
HANSEN FLOAT	PORT ST NICHOLAS	YES BAY
HANUS BAY	PORTLOCK [SE]	
HARRIS HARBOR		

-continued-



## Appendix D1.-Page 2 of 2.

3A	3A	3B	4A	4B	4E
AFOGNAK	PORT LIONS	CHIGNIK	AKUTAN	ADAK	ALINCHAK BAY
AKHIOK	PORT VITA	COLD BAY	DUTCH HARBOR	ATKA	DILLINGHAM
AMOOK ISLAND	PORT WAKEFIELD	FALSE PASS	NIKOLSKI		EGEGIK
ANCHOR POINT	PORTLOCK [SC]	KING COVE	UNALASKA		GEOGRAPHIC HARBOR
ANCHOR RIVER	RASPBERRY ISLAND	PERRYVILLE			KUKAK BAY
CAINES HEAD	ROBBINS CAMP	SAND POINT			NAKNEK
CAPE NINILCHIK	SEAL BAY [SC]				PILOT POINT
CEDAR BAY	SELDOVIA				PORT HEIDEN
CHENEGA	SELIEF BAY				SOUTH NAKNEK
CHINA POOT	SEWARD				
CORDOVA	SHUYAK ISLAND				
DEEP CREEK	SILVER SALMON				
DUTTON	SNUG COVE				
ELLAMAR	ST PAUL				
HALIBUT COVE	TATTITLEK				
HAPPY VALLEY	TONKI BAY				
HIDDEN BASIN	TUTKA BAY				
HINCENBROOK	TYONEK				
HOMER	UGAK BAY				
IRON CREEK	USBH				
JAKALOF BAY	VALDEZ				
KARLUK	WHISKEY GULCH				
KASITSNA BAY	WHITTIER				
KENAI	WILLIAMSPORT				
KODIAK	WOMENS BAY				
KUSTATAN	YAKUTAT				
LARSEN BAY	ZACHAR BAY				
LEONARDS LANDING					
LOWELL POINT					
MARSHA BAY					
MUSKOMEY BAY					
NANWALEK					
NINILCHIK					
OLD HARBOR					
OUZINKIE					
PARKS CANNERY					
PASAGSHAK BAY					
POOHS LANDING					
PORT CHATHAM					
PORT ETCHES					
PORT GRAHAM					



**APPENDIX E.**  
**SALTWATER SPORTFISHING CHARTER VESSEL**  
**LOGBOOK PROBLEMS, 1998**

### **Appendix E1.-Program start-up problems.**

- Each logbook had a unique identifying number, but that number was not printed on each page of the logbook. Thus as a page was received, we could we had to rely on reported CFEC/vessel name to identify the boat. This was then linked back to the business via the CFEC database.
- The intent was that when a logbook was issued staff would record the business the logbook was issued to and what vessel it would be used for. Unfortunately, this information was not collected for every logbook issued.
- A variety of data recording requirements were sometimes ignored or omitted and there were instances where incorrect information was entered on a logbook sheet. Examples of such errors are included in Appendix E2.
- We found cases where the harvest was over the legal limit. This was likely due to recording crew harvest as client harvest. Other evidence supporting this conclusion is small number of crew harvest data sheets received.
- Clients/rods/harvest were not broken down by residency and even when broken down it may not be accurate. Staff discussions with charter vessel operators indicate that operators have no way to track fish harvest by angler residency and thus provide their best guess.
- Salmon and bottomfish information would sometimes be mixed for a trip (salmon areas fished but bottomfish hrs, rods and harvest reported).
- Some data editing occurred prior to data entry. While not a problem, it would have been more efficient to deal with cleaning programmatically once the data were captured.

**Appendix E2.-The count of daily trip reports for which problems noted during data capture could not be resolved. There were approximately 50,000 active logbook trip reports during 1998. Some daily trip reports could have more than one of the problems listed below.**

Code	Comment	Count
B1	Boat hours fishing left blank	2,862
E1	Rods fished not identified	2,308
H2	Fish released not broken down by resident/nonresident	1,392
A1	Area fished left blank	1,290
P1	No Port or site of landing identified	1,128
L1	No USCG number	1,078
H1	Fish kept not broken down by resident/nonresident	974
S1	No skipper initials	924
E2	Rods fished not broken down by resident/nonresident	769
C1	Number of clients not filled in	758
C2	Clients not broken down by resident/nonresident	582
A3	Primary area fished listed as salmon (primary bottomfish area not identified), rods/catch listed as bottomfish	410
A2	Primary area fished listed as bottomfish (primary salmon not identified), rods/catch listed as salmon	222
A4	Multiple areas fished (primary not identified)	214
A5	Area fished not a viable number	115
R4	Nonresident clients, but harvest listed under resident	82
R5	No resident clients, but harvest listed	40
R3	Resident clients, but harvest listed under nonresident	20
R1	No resident clients identified, but resident poles	16
R6	No nonresident clients, but harvest listed	8
R2	No nonresident clients identified, but nonresident poles	6

**Appendix E3.-Count and percent of total daily trip reports for which client/harvest problems noted during data capture could not be resolved. There were approximately 50,000 active logbook trip reports during 1998<sup>a</sup>.**

	Count	%
Should be INACTIVE/NOREPORT?	1,207	2.40%
R&N clients w/ N harvest	506	1.00%
No N clients for N harvest	434	0.90%
R&N clients w/ R harvest	301	0.60%
No R clients for R harvest	163	0.30%
No R&N clients for N&R harvest	60	0.10%
R clients w/ R&N harvest	15	0.00%
N clients w/ R&N harvest	1	0.00%
R&N clients w/ R&N harvest(ok)	6,299	12.60%

<sup>a</sup>. N=nonresident, R=resident